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0	For receiving Office use only			
0-1	International Application No.	PCT		
0-2	International Filing Date	28.5.03		
0-3	Name of receiving Office and "PCT International Application"	受領印		
0-4	Form - PCT/RO/101 PCT Request			
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.01.2003)		
0-5	Petition	(Special Control Contr		
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty			
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)		
0-7	Applicant's or agent's file reference	R03087 PCT		
T	Title of invention	THRESHOLD VALUE MATRIX, IMAGE PROCESSING		
		APPARATUS, IMAGE FORMING APPARATUS AND		
		PRINTER DRIVER		
(I ·	Applicant	·		
11-1	This person is:	applicant only		
11-2	Applicant for	all designated States except US		
11-4	Name	RICOH COMPANY, LTD.		
II-5	Address:	3-6, Nakamagome 1-chome,		
		Ohta-ku, Tokyo 143-8555		
		Japan		
11-6	State of nationality	JP		
11-7	State of residence	JP		
11-8	Telephone No.	03-3777-8111		
11-9	Facsimile No.	03-5742-5429		
III-1	Applicant and/or inventor			
111-1-1	This person is:	applicant and inventor		
III-1-2	Applicant for	US only		
III-1-4	Name (LAST, First)	HIRANO, Masanori		
	Address:	889-6, Sanda,		
III-1-5		1		
III-1-5		Atsugi-shi, Kanagawa 243-0211		
III-1-5		Atsugi-shi, Kanagawa 243-0211 Japan		
III-1-5	State of nationality	Atsugi-shi, Kanagawa 243-0211 Japan JP		



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IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/has been appointed to act on	agent
	behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name	ITOH, Tadahiko
IV-1-2	Address:	32nd Floor, Yebisu Garden Place Tower,
		20-3, Ebisu 4-chome,
		Shibuya-ku, Tokyo 150-6032
		Japan
IV-1-3	Telephone No.	03-5424-2511
IV-1-4	Facsimile No.	03-5424-2525
V	Designation of States	
V-1	Regional Patent	EP: AT BE BG CH&LI CY CZ DE DK EE ES FI
	(other kinds of protection or treatment, if any, are specified between	FR GB GR HU IE IT LU MC NL PT SE SI SK
٠.	parentheses after the designation(s)	TR and any other State which is a
	concerned)	Contracting State of the European Patent
		Convention and of the PCT
V-2	National Patent	CN KR SG US
	(other kinds of protection or treatment, if any, are specified between	
	parentheses after the designation(s) concerned)	
V-5	Precautionary Designation Statement	
	In addition to the designations made	·
	under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b)	
	all designations which would be	
	permitted under the PCT except any designation(s) of the State(s) indicated	·
	under item V-6 below. The applicant	
	declares that those additional designations are subject to confirmation	
	and that any designation which is not	
	confirmed before the expiration of 15 months from the priority date is to be	
	regarded as withdrawn by the applicant	
V-6	at the expiration of that time limit. Exclusion(s) from precautionary	NONE
V-0	designations	NONE
VI-1	Priority claim of earlier national	
VI-1-1	application Filing date	11 June 2002 (11.06.2002)
VI-1-2	Number	Patent Application 2002-169394
VI-1-3	Country	JP
VI-2	Priority document request	
	The receiving Office is requested to	VI-1
	prepare and transmit to the International Bureau a certified copy of	·
	the earlier application(s) identified	
VIII 4	above as item(s):	T D-1 065: (TD0) (T07 (TD)
VII-1	International Searching Authority Chosen	Japan Patent Office (JPO) (ISA/JP)

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VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the	_	
• • • • • • • • • • • • • • • • • • • •	inventor		
VIII-2	Declaration as to the applicant's	-	
	entitlement, as at the international filing		
	date, to apply for and be granted a		
ó	Declaration as to the applicant's		
VIII-3	entitlement, as at the international filing	- .	. *
	date, to claim the priority of the earlier		
	application		
VIII-4	Declaration of inventorship (only for the	-	
	purposes of the designation of the		
	United States of America)	·	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of	-	·
	novelty		*
īX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	_
IX-2	Description	58	
	·		
IX-3	Claims	10	
IX-4	Abstract	1	EZABSTOO.TXT
IX-5	Drawings	30	-
IX-7	TOTAL	103	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	. 🗸	
IX-9	Original separate power of attorney	✓	-
IX-17	PCT-EASY diskette	_	Diskette
IX-18	Other (specified):	Revenue stamps of	-
		transmittal and	
		search fee for	
		. — — — —	
		receiving offic	
IX-18	Other (specified):	Submission of	-
		certificate of	
		payment for	
	·	international fee	
		THEETHALIONAL TEE	<u> </u>
IX-19	Figure of the drawings which should accompany the abstract	- X-	
IX-20	Language of filing of the	English	
	international application		
X-1	Signature of applicant, agent or common representative		NA.
	common representative	\$\$\$\$\$	(* 17
	*	Pak	
X-1-1	Name	ITOH, Tadahiko	701.
		1/	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	•
10-2-1	Received	
10-2-2	Not received	



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10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	4	:	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)		 <u> </u>	
10-5	International Searching Authority	ISA/JP		
10-6	Transmittal of search copy delayed until search fee is paid			

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11-1	Date of receipt of the record copy by	
	the International Bureau	
		